

Title (en)

VEHICLE CHASSIS FRAME SIDE RAIL OF IMPROVED CROSS SECTION

Title (de)

SEITENLÄNGSTRÄGER EINES FAHRGESTELLS MIT VERBESSERTEM QUERSCHNITT

Title (fr)

LONGERON DE BRANCARD D'UN VEHICULE A SECTION AMELIOREE.

Publication

EP 2651750 B1 20170104 (FR)

Application

EP 11802501 A 20111123

Priority

- FR 1060454 A 20101214
- FR 2011052739 W 20111123

Abstract (en)

[origin: WO2012080607A1] The invention relates to a vehicle, notably a motor vehicle, chassis frame side rail (1) made up of two section pieces (11, 12) of U-shaped cross section, welded together by longitudinal connecting tabs (111, 112) juxtaposed contiguously and more or less perpendicularly extending the ends of the branches of the U, in which each section piece has, between each of the tabs (111, 112) and the branches of the U that it extends, a connecting region that forms two separate longitudinal plastic hinges that deform if the side rail (1) is deformed by longitudinal compression so as to keep the welded joint between the tabs intact.

IPC 8 full level

B60R 19/34 (2006.01); **B62D 21/15** (2006.01); **F16F 7/12** (2006.01)

CPC (source: EP US)

B60R 19/34 (2013.01 - EP US); **B62D 21/152** (2013.01 - EP US); **F16F 7/125** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

FR 2968630 A1 20120615; CN 103261002 A 20130821; CN 103261002 B 20160217; EP 2651750 A1 20131023; EP 2651750 B1 20170104; US 2013241220 A1 20130919; US 8857894 B2 20141014; WO 2012080607 A1 20120621

DOCDB simple family (application)

FR 1060454 A 20101214; CN 201180060227 A 20111123; EP 11802501 A 20111123; FR 2011052739 W 20111123; US 201113988421 A 20111123